

## ATTACHMENT J28

# Toledo Express Airport (ANG) Wastewater Collection System

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## Table of Contents

<b>TOLEDO EXPRESS AIRPORT (ANG) WASTEWATER COLLECTION SYSTEM .....</b>	<b>I</b>
<b>J28 TOLEDO EXPRESS AIRPORT (ANG) WASTEWATER COLLECTION SYSTEM .....</b>	<b>2</b>
J28.1 TOLEDO EXPRESS AIRPORT (ANG) OVERVIEW.....	2
J28.2 WASTEWATER COLLECTION SYSTEM DESCRIPTION .....	2
J28.2.1 Wastewater Collection System Fixed Equipment Inventory .....	2
J28.2.1.1 Description.....	2
J28.2.1.2 Inventory .....	2
J28.2.2 Wastewater Collection System Non-Fixed Equipment and Specialized Tools .....	4
J28.2.3 Wastewater Collection System Manuals, Drawings, and Records.....	5
J28.3 SPECIFIC SERVICE REQUIREMENTS.....	5
J28.4 CURRENT SERVICE ARRANGEMENT.....	5
J28.5 SECONDARY METERING.....	5
J28.6 MONTHLY SUBMITTALS.....	6
J28.7 INFILTRATION AND INFLOW (I&I) PROJECTS.....	6
J28.8 SERVICE AREA.....	6
J28.9 OFF-INSTALLATION SITES.....	6
J28.10 SPECIFIC TRANSITION REQUIREMENTS.....	7
J28.11 GOVERNMENT RECOGNIZED SYSTEM DEFICIENCIES.....	7

## List of Tables

Fixed Inventory .....	3
Spare Parts .....	4
Specialized Vehicles and Tools .....	4
Manuals, Drawings, and Records.....	5
Existing Secondary Meters.....	5
Service Connections and Disconnections .....	7
System Deficiencies.....	7

# J28 Toledo Express Airport (ANG) Wastewater Collection System

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## J28.1 Toledo Express Airport (ANG) Overview

The 180<sup>th</sup> Fighter Wing (FW) of the Ohio Air National Guard occupies 135.4 acres of leased land on the Toledo Express Airport (ANG), located approximately 22 miles west of Toledo, Ohio. The mission of the 180<sup>th</sup> FW is to provide combat-ready F16C and support units capable of deploying worldwide in minimum response time. The 180<sup>th</sup> FW occupies 3 administrative, 13 industrial, and 7 services buildings totaling approximately 321,882 square feet with 290 full-time personnel. A unit training drill is conducted once a month and results in a surge of up to a total of 900 personnel.

## J28.2 Wastewater Collection System Description

### J28.2.1 Wastewater Collection System Fixed Equipment Inventory

The Toledo Express Airport (ANG) Wastewater Collection System consists of all appurtenances physically connected to the collection system from the point of demarcation defined by the Right of Way. The system may include, but is not limited to, pipelines, manholes, lift stations, pumps, wet-well and meters. The actual inventory of items sold will be in the bill of sale at the time the system is transferred. The following description and inventory is included to provide the Contractor with a general understanding of the size and configuration of the system. The Government makes no representation that the inventory is accurate. The Contractor shall base its proposal on site inspections, information in the technical library, other pertinent information, and to a lesser degree the following description and inventory. Under no circumstances shall the Contractor be entitled to any service charge adjustments based on the accuracy of the following description and inventory.

Specifically excluded from the Wastewater Collection System privatization are:

?? Oil water separators

?? Storm sewers

#### J28.2.1.1 Description

The Toledo Express Airport (ANG) wastewater collection system operates via gravity flow with lift station augmentation and exits the base at one location. The wastewater collection system consists of approximately 4900 linear feet of PVC pipe, and 3200 linear feet of vitrified clay pipe. Pipes range in size from two to eight inches. Pipe depth ranges from six to eight feet without the use of tracer wire or warning tape. The system includes four lift stations, 8 pumps, 1 meter, 12 pre-cast concrete and 3 brick manholes ranging from six to eight feet in depth, and one pre-cast concrete wet-well. Base personnel indicate the capacity of the current system is adequate for present and future needs.

#### J28.2.1.2 Inventory

**Table 1** provides a general listing of the major Wastewater Collection System fixed assets for the Toledo Express Airport (ANG) Wastewater Collection System included in the sale.

**TABLE 1**  
Fixed Inventory  
Wastewater Collection System Toledo Express Airport (ANG)

Item	Size	Quantity	Unit	Approximate Year of Construction
<b>PVC Pipe</b>	(in)			
Force Main	2	855	LF	1995
Force Main	4	1150	LF	1994
	4	780	LF	1994
	6	210	LF	1980
	6	135	LF	1992
	6	430	LF	1997
	6	90	LF	1980
	8	340	LF	1980
	8	860	LF	1994
<b>Vitrified Clay Pipe</b>	(in)			
	6	805	LF	1978
	6	225	LF	1974
	6	430	LF	1954
	6	85	LF	1958
	6	130	LF	1957
	8	255	LF	1978
	8	180	LF	1957
	8	1110	LF	1954
<b>Standard Sanitary Sewer Manholes (4 ft diameter)</b>	Depth (ft)			
Brick	6	1	EA	1957
Brick	6	1	EA	1958
Brick	8	1	EA	1954
Pre-cast concrete	6	1	EA	1980
Pre-cast concrete	6	6	EA	1978
Pre-cast concrete	6	1	EA	1997
Pre-cast concrete	8	4	EA	1994
<b>Wastewater Lift/Pump Stations</b>				
Lift Station #1, no force main		1	EA	1980
Lift Station #2, 4-inch force main		1	EA	1994

Item	Size	Quantity	Unit	Approximate Year of Construction
Lift Station #3, 4-inch force main		1	EA	1993
Lift Station #4, 2-inch force main		1	EA	1995
Wastewater Pumps	(HP)			
Lift Station #1, Submersible, 4 GPM	1.5	1	EA	1992
Lift Station #2, Submersible Duplex, 30 GPM	2	2	EA	1995
Lift Station #3, Submersible Duplex, 150 GPM	17	2	EA	1993
Lift Station #4, Submersible Duplex, 30 GPM	2	2	EA	1994
Wet Well, Grinder In-line Centrifugal, 800 GPM	3	1	EA	1993
Lift Station Buildings				
3 foot x 6 foot x 5 foot high fiber glass hut, at Lift Station 2		1	EA	1994
3 foot x 6 foot x 5 foot high fiber glass hut, at Lift Station 3		1	EA	1993
Wastewater meter (see section J28.5 for more details)				
Fisher-Porter digital flow wastewater meter		1	EA	1993
Wet-Well				
5 foot diameter x 15 foot deep pre-cast concrete chamber		1	EA	1993
Notes:				
PVC = Polyvinyl Chloride				
LF = Linear Feet				
In = Inches				
FT = Feet				
GPM = Gallon Per Minute				
HP = Horsepower				
EA = Each				

## J28.2.2 Wastewater Collection System Non-Fixed Equipment and Specialized Tools

**Table 2** lists other ancillary equipment (spare parts) and **Table 3** lists specialized vehicles and tools included in the purchase. Offerors shall field verify all equipment, vehicles, and tools prior to submitting a bid. Offerors shall make their own determination of the adequacy of all equipment, vehicles, and tools.

**TABLE 2**

Spare Parts

Wastewater Collection System Toledo Express Airport (ANG)

Qty	Item	Make/Model	Description	Remarks
None				

**TABLE 3**

Specialized Vehicles and Tools

Wastewater Collection System Toledo Express Airport (ANG)

Description	Quantity	Location	Maker
None			

### J28.2.3 Wastewater Collection System Manuals, Drawings, and Records

**Table 4** lists the manuals, drawings, and records that will be transferred with the system.

**TABLE 4**

Manuals, Drawings, and Records

Wastewater Collection System Toledo Express Airport (ANG)

Qty	Description	Remarks
1	Wastewater Utility System Maps (electronic copy)	AutoCAD Release Version 2000

## J28.3 Specific Service Requirements

The service requirements for the Toledo Express Airport (ANG) Wastewater Collection System are as defined in the Section C Description/Specifications/Work Statement.

## J28.4 Current Service Arrangement

?? **Current Provider:** City of Toledo

?? **Average Annual Effluent (2000):** 8,730 kGal

?? **Maximum Monthly Effluent:** 881 kGal

?? **Minimum Monthly Effluent:** 530 kGal

## J28.5 Secondary Metering

### J28.5.1 Existing Secondary Meters

**Table 5** provides a listing of the existing (at the time of contract award) secondary meters that will be transferred to the Contractor. The Contractor shall provide meter readings for all secondary meters IAW Paragraph C.3 and J3.6 below.

**TABLE 5**

Existing Secondary Meters

Wastewater Collection System Toledo Express Airport (ANG)

Meter Location	Meter Description
Lift Station #3 southwest side of Building 116 inside the lift station hut under the switch box	Fisher-Porter digital flow meter (reads in gallons)

### J28.5.2 Required New Secondary Meters

The Contractor shall install and calibrate new secondary meters as listed in **Table 6**. New secondary meters shall be installed IAW Paragraph C.13 Transition Plan. After installation, the Contractor shall maintain and read these meters IAW Paragraphs C.3 and J3.6 below.

**TABLE 6**

New Secondary Meters

Wastewater Collection System Toledo Express Airport (ANG)

Meter Location	Meter Description
None	

### J28.6 Monthly Submittals

The Contractor shall provide the Government monthly submittals for the following:

1. Invoice (IAW G.2). The Contractor's monthly invoice shall be presented in a format proposed by the Contractor and accepted by the Contracting Officer. Invoices shall be submitted by the 25<sup>th</sup> of each month for the previous month. Invoices shall be submitted to the person identified at time of contract award.
2. Outage Report. The Contractor's monthly outage report (blockage and overflow information) will be prepared in the format proposed by the Contractor and accepted by the Contracting Officer. Outage reports shall be submitted by the 25<sup>th</sup> of each month for the previous month. Outage reports shall be submitted to the person identified at time of contract award.
3. Infiltration and Inflow Report. If required by Paragraph C.3, the Contractor shall submit an Infiltration and Inflow report in a format proposed by the Contractor and accepted by the Contracting Officer. System efficiency reports shall be submitted by the 25<sup>th</sup> of each month for the previous month. System efficiency reports shall be submitted to the person identified at time of contract award.

### J28.7 Infiltration and Inflow (I&I) Projects

IAW Paragraph C.3 Utility Service Requirement, the following projects have been implemented by the Government for managing and monitoring I&I: None.

### J28.8 Service Area

IAW Paragraph C.4 Service Area, the service area is defined as all areas within the Toledo Express Airport (ANG) boundaries.

### J28.9 Off-Installation Sites

No off-installation sites are included in the sale of the Toledo Express Airport (ANG) Wastewater Collection System.

## J28.10 Specific Transition Requirements

IAW Paragraph C.13 Transition Plan, **Table 7** provides a listing of service connections and disconnections required upon transfer.

**TABLE 7**

Service Connections and Disconnections  
Wastewater Collection System Toledo Express Airport (ANG)

Location	Description
None	

## J28.11 Government Recognized System Deficiencies

**Table 8** provides a listing of system improvements that the Government has planned. The Government recognizes these improvement projects as representing current deficiencies associated with the Toledo Express Airport (ANG) Wastewater Collection System. If the utility system is sold, the Government will not accomplish these planned improvements. The Contractor shall make a determination as to its actual need to accomplish and the timing of any and all such planned improvements. Capital upgrade projects shall be proposed through the Capital Upgrades and Renewals and Replacements Plan process and will be recovered through Schedule L-3. Renewal and replacement projects will be recovered through Sub-CLIN AB.

**TABLE 8**

System Deficiencies  
Wastewater Collection System Toledo Express Airport (ANG)

Project Location	Project Description
None	